

Title (en)
OPTICAL FIBRE WITH QUANTUM DOTS

Title (de)
OPTISCHE FASER MIT QUANTENPUNKTEN

Title (fr)
FIBRE OPTIQUE COMPORTANT DES POINTS QUANTIQUES

Publication
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Application
EP 95932841 A 19950929

Priority
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• EP 94307113 A 19940929
• GB 9502322 W 19950929

Abstract (en)
[origin: WO9610282A1] An optical fibre comprises a tubular glass cladding (1) with a central opening (2), filled with a colloidal solution of quantum dots (4) in a support medium (3). The quantum dots may be caused to produce luminescence in response to input optical radiation, for example to produce optical amplification or laser radiation. A waveguide with an active medium comprising colloidal quantum dots is claimed.

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H01S 5/32; **H01S 3/06**; **G02B 6/20**

IPC 8 full level
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Cited by
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Designated contracting state (EPC)
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WO 9610282 A1 19960404; CA 2199506 A1 19960404; CA 2199506 C 20010731; DE 69519384 D1 20001214; DE 69519384 T2 20010523; EP 0783784 A1 19970716; EP 0783784 B1 20001108; ES 2153495 T3 20010301; JP H10506502 A 19980623; KR 970706628 A 19971103; US 5881200 A 19990309

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